WAC 197-11-960 Environmental checklist.

ENVIRONMENTAL CHECKLIST

Purpose of checklist:

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable:
Kittitas Valley Wind Power Project (KVWPP) Amendment No. 1

2. Name of applicant: **Sagebrush Power Partners LLC, a subsidiary of Horizon Wind Energy, Houston, TX**
3. Address and phone number of applicant and contact person:

Horizon Wind Energy

1206 N. Dolarway, Suite 118

Ellensburg, WA 98926

Attn: Joy Potter

4. Date checklist prepared: **May 2009**
5. Agency requesting checklist: **Energy Facility Site Evaluation Council (EFSEC)**
6. Proposed timing or schedule (including phasing, if applicable):
Horizon anticipates that, once necessary approvals are received, construction will begin in 3rd quarter 2009 or 1st quarter 2010 with a commercial online date of December 2010.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

No.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

Environmental documentation for the EFSEC permitted site layout was included in the FEIS for the Site Certification for the project, which is available at the EFSEC office at 925 Plum Street, Olympia, WA 98504-3172, or on the EFSEC web site at efsec.wa.gov. As part of the Site Certification Agreement (SCA) amendment for the new layout design, additional studies have been conducted, including the following:

- **Archeological Surveys (AINW 2009) – Additional pedestrian surveys, utilizing parallel 20 meter transects have been conducted for all areas to be included in the proposed SCA amendment. The guidelines as outlined in the SCA Article IV, G Cultural and Archeological Resources Plan will be followed for the additional reported sites.**
- **Visual Quality Evaluation (Wind Engineers 2009) – Updated visual simulations are provided for the proposed 52 turbine layout, Appendix 2**
- **Biological Assessment (WEST 2008) – Western EcoSystem Technology, Inc. provided a Biological Assessment dated April 30, 2008 and an Addendum to the Biological Assessment dated August 20, 2008. The updated Biological Assessment is attached to the SEPA document, Appendix 3**

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

No.

10. List any government approvals or permits that will be needed for your proposal, if known.

EFSEC: Approval of amendment of the SCA according to Chapter 463-66 WAC

Federal Aviation Administration (FAA) Determination of No Hazard

Washington State Department of Transportation Access Connection

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

Sagebrush Power Partners LLC received approval for the Kittitas Valley Wind Power Project from Governor Gregoire in 2007. Prior to Governor Gregoire's approval, extensive environmental studies had been completed and incorporated into the Final Environmental Impact Statement (FEIS). The Lead Agency, Washington State Energy Facility Site Evaluation Council (EFSEC) approved the FEIS in February 2007. This checklist will address minor modifications to the project resulting from initial micro-siting and setback conditions established through the project approval process. This checklist addresses the conceptual layout revisions and anticipates minor ongoing micro-siting during the construction phase as may be required to address unanticipated on-site site constraints and to adhere to all permitting requirements.

The Site Certification Agreement (SCA) permits up to 65 turbine locations. The Applicant is reducing the number of turbine installation sites to 52 resulting in reduced permanent and temporary ground disturbance impacts. The applicant has selected a larger nameplate turbine which allows this reduction without compromising the viability of the project. This mitigation in turbine selection minimizes and further mitigates the visual impacts and disturbance areas addressed during the permitting process.

The Applicant also proposes to revise the project area from 5,890 acres to 5,417 acres. The revision includes the addition of 6 acres for an improved collection line design and the removal of 471 acres as shown on Appendix 1.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

An additional parcel of land consisting of 6.29 acres has been included in the project boundary. The legal description of the property is as follows: Parcel A of that certain Survey as recorded February 4, 2004, in Book 29 of Surveys, at pages 242 through 244, under Auditor's File No. 200402040026, records of Kittitas County, Washington; being a portion of the Southwest Quarter of Section 14, and of the Northwest Quarter of Section 23, ALL in Township 19 North, Range 17 East, W.M., in the County of Kittitas, State of Washington.

The legal description of the parcel removed from the project boundary is as follows: The portion of the Southeast one-quarter (SE1/4) of Section 9, lying Easterly of the County road, and that portion of section 15 lying Northerly of the County Road. All of the above is located within Township 19 North, Range 17 East W.M.

The permitted project area is located on open ridges straddling US 97 approximately 10 miles northwest of Ellensburg in Sections 2, 3, 10, 11, 12, 14, 15, 16, 21, 22, 23 and 27, all in Township 19 North, Range 17 East, W.M., in the County of Kittitas, State of Washington.

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site (circle one): Flat, rolling, hilly, **steep slopes**, mountainous, other . . . . . .

The KVWPP site is north and east of the Yakima River on the ridges that slope south from Table Mountain. Although these ridges slope gently southward along their spines, their transverse slopes are steep. The project site and adjacent lands range in elevation from approximately 2,200 to 3,100 feet above mean sea level. Between the ridges are ephemeral and perennial creeks that flow into the Yakima River.

b. What is the steepest slope on the site (approximate percent slope)?

Generally, slopes within the project area range from 9-36% and can reach 84% or more in some of the canyons.

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

Soils in the project area along the ridgetops primarily consist of shallow to moderately deep mineral soils that formed in alluvium and glacial drift. Loess mixed with volcanic ash is typically present at the surface. Ridgetop soils in this portion of the project area, which includes the turbine areas, include the following series (USDA 2002a):

Lablue series consists of shallow, well-drained soils 7 to 10 inches in thickness, with slopes of 3%-15%

- **Reelow series consists of shallow, well-drained soils 10 to 20 inches in thickness, with slopes ranging from 2% to 25%;**
- **Sketter series consists of moderately deep, well-drained soils 20 to 40 inches in thickness with slopes of 2% to 15%**
- **Reeser series consists of moderately deep, well-drained soils 20 to 40 inches in thickness, with slopes of 2% to 15%.**

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

The project is located in areas with a relatively thin veneer of soil covering consolidated alluvium and basaltic rock. Observations of near surface (less than 10 feet below ground) site stratigraphy conducted during geotechnical investigations and visual observations of the landscape and surface geology in the immediate

project area indicate that potential landslide-prone terrain is not present on the project site. No landslides were observed during these investigations (Taylor, pers. Comm., 2003)

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

The project design is a balanced site, with 247,000 cy of fill. There will be approximately 85,000 cy of gravel surfacing imported for roads.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

In general, surface soils have low permeability, are dry to moist, and contain local clay-rich zones that retain moisture. These soils are typically present in the upper 12 inches, although they may extend to 10 feet below ground surface. At most locations on the project site, a cemented layer of alluvium is encountered at various depths below the surface soil. This cemented material has a very low permeability; its presence at the site indicates a relatively high runoff potential.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

Less than 1%

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

A detailed description of erosion mitigation measures, included in section 3.1.3 of the FEIS for the KVWPP would be followed. This amendment request does not propose any changes that would require additional mitigation measures.

2. Air

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

A detailed description of air emissions is included in the FEIS, Section 3.11. This amendment request does not propose any additional impacts concerning this element of the environment, and does not require any additional analysis of this element of the environment.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

No.

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

All mitigation measures contained in the FEIS for the KVWPP would be followed. This amendment request does not propose any changes that would require additional mitigation measures

3. Water

a. Surface:

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

Yes. The project site is located within the Yakima River drainage basin. The southern portions of turbine strings A and B are within approximately one-half mile of the Yakima River. Other portions of the project are located within one-half mile of Dry Creek (an ephemeral creek), other unnamed ephemeral creeks, the North Branch Canal of the Kittitas Reclamation District, and livestock watering ponds.

The project area consists primarily of long north-south-trending ridges. Between the ridges are ephemeral and perennial streams that flow into the Yakima River.

Precipitation at Ellensburg, approximately 10 miles southeast of the project site, averages 8.9 inches annually. Most precipitation occurs in late autumn, winter, and early spring (Kittitas County Conservation District 2001). Dominant soils at the project site exhibit low permeability and have a high runoff potential.

A detailed description of water issues is included in the FEIS, Section 3.3

2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

Work required within 200 feet of the described waters has been completed under permits obtained from the Army Corp of Engineers and Washington State. Permits will be revised if additional work is identified.

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

None.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

No.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

No.

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No.

b. Ground:

1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.

No groundwater will be withdrawn for purposes of construction, operation or maintenance of the project. All construction-related water will be brought in from outside sources. All project facilities are well above the local groundwater table, so it will not significantly affect groundwater quality, quantity, or flow.

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

None.

c. Water runoff (including stormwater):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

Precipitation could result in surface runoff from project facilities during project construction. However, the project would implement Best Management Practices and measures from the SWPPP to ensure that most surface water runoff would infiltrate directly into the surface soils surrounding project facilities. General stormwater control measures are described in detail in the SWPPP.

2) Could waste materials enter ground or surface waters? If so, generally describe.

With implementation of proposed mitigation measures, no waste materials would be expected to enter ground or surface waters.

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

All mitigation measures in the FEIS for the KVWPP would be followed.

A Construction SWPPP for the added parcel and relocated facilities will be prepared and appended to the existing plan for the KVWPP. The amended acreage and relocation of facilities would be managed according to the same standards as the rest of the project.

4. **Plants**

a. Check or circle types of vegetation found on the site:

———— deciduous tree: alder, maple, aspen, other

x———— evergreen tree: fir, cedar, pine, other

x———— shrubs

x———— grass

———— pasture

———— crop or grain

———— wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other

———— water plants: water lily, eelgrass, milfoil, other

———— other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

The vegetation characteristics in the area range from native bunchgrass and low shrubs such as bitterbrush and stiff sage.

c. List threatened or endangered species known to be on or near the site.

None, as documented in the FEIS

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

The most significant factor affecting revegetation is the presence of topsoil. Local topsoil will be protected from loss or returned to the surface of the disturbed area, seedings will be more successful and survivors or "volunteer" seedlings of the original native plants will be re-established. Although in shallow soil sites topsoil is meager and half its composition may be rocks and stones, it is demonstrably invaluable for site restoration. Implementing a construction topsoil management strategy for the Kittitas Valley project is fundamental to successful site restoration.

After construction, using locally adapted, native seed in the restoration seedings will be the standard. Although specific seed availability varies from year to year, Applicant's expectation is that there are now sufficient quantities of locally adapted seed available such that all plant material for the project should be native species of locally adapted biotypes.

5. Animals

a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

birds: hawk, heron, eagle, songbirds, other: **hawk and eagle**
mammals: deer, bear, elk, beaver, other: **elk and mule deer**
fish: bass, salmon, trout, herring, shellfish, other:

b. List any threatened or endangered species known to be on or near the site.

No threatened or endangered species have been documented to be on or near the site. A detailed description of T&E species is included in the FEIS, Section 3.2. This amendment request does not propose any additional impacts on this element of the environment, and does not require any additional analysis of this element of the environment.

c. Is the site part of a migration route? If so, explain.

The project area is located within the Pacific Flyway, one of four principal north-south bird migration routes in North America. Bounded roughly by the Pacific Ocean and the Rocky Mountains, the Pacific Flyway extends from the Arctic regions of Alaska and Canada to Central and South America. Within the flyway, certain groups of birds may travel along narrower migration corridors, with more well-defined paths.

d. Proposed measures to preserve or enhance wildlife, if any:

All mitigation measures identified in the FEIS for the KVWPP would be followed. This proposal would not cause additional impacts that would require additional mitigation measures.

Further details can be found in the FEIS for the original project proposal.

6. Energy and natural resources

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

A detailed description of energy and natural resource issues is included in the FEIS, Section 3.5. This amendment request does not propose any additional impacts on this element of the environment, and does not require any additional analysis of this element of the environment.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

No.

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

All measures identified in the FEIS for the KVWPP would be implemented. No additional mitigation measures are proposed.

7. Environmental health

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

Potential environmental health hazards would not differ from those identified in the FEIS for the KVWPP.

1) Describe special emergency services that might be required.

None.

2) Proposed measures to reduce or control environmental health hazards, if any:

All mitigation measures identified in the FEIS for the KVWPP would be implemented.

b. Noise

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

Section 3.12 of the FEIS for the KVWPP contains a complete noise analysis for the project.

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Short-term sources of noise include construction traffic and portable generators. Construction noise is likely to create noise levels in excess of the normal background levels at the nearest residence to the amended area. Permanent noise levels will not increase with the changes proposed in this amendment. The elimination of turbine locations in proximity to existing non-participating residences will further minimize and avoid potential noise impacts.

3) Proposed measures to reduce or control noise impacts, if any:
All mitigation measures identified in the FEIS for the KVWPP would be implemented.

8. Land and shoreline use

a. What is the current use of the site and adjacent properties?

A detailed description of land and shoreline use is included in the FEIS, Section 3.6. This amendment request does not propose any additional impacts on this element of the environment, and does not require any additional analysis of this element of the environment.

b. Has the site been used for agriculture? If so, describe.
No.

c. Describe any structures on the site.
None

d. Will any structures be demolished? If so, what?
No.

e. What is the current zoning classification of the site?
Forest and Range and Ag 20

f. What is the current comprehensive plan designation of the site?
Forest and Range and Ag 20

g. If applicable, what is the current shoreline master program designation of the site?
Not applicable.

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.
No.

i. Approximately how many people would reside or work in the completed project?
The Socioeconomics of the project are considered at length in section 3.7 of the FEIS. The Amended acreage will not add any new residents or employees to the permitted project.

j. Approximately how many people would the completed project displace?
No residents would be displaced by the project.

k. Proposed measures to avoid or reduce displacement impacts, if any:
Not applicable.

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

During construction, it would be necessary to remove cattle from areas where heavy equipment operations are taking place. The Applicant would make arrangements with property owners and livestock owners to keep livestock out of these areas during those periods. After construction is completed, disturbed areas would be returned as closely as possible to their original state, excluding service and access roads, which would remain in place for the life of the facility. This proposal is principally intended to further minimize potential impacts to existing residences. No additional mitigation measures are proposed.

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

Not applicable.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

Not applicable.

c. Proposed measures to reduce or control housing impacts, if any:

Not applicable.

10. Aesthetics

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

Assessment of the aesthetics of the project are analyzed in section 3.9 of the FEIS for the KVWPP.

b. What views in the immediate vicinity would be altered or obstructed?

A detailed analysis of the visual impact of the proposed structures is available as part of the KVWPP FEIS, section 3.9.

c. Proposed measures to reduce or control aesthetic impacts, if any:

The project has been reduced from 65 to 52 turbines to minimize visual aesthetic impacts at the project site. As part of this reduction, turbine locations have been further set back from existing non-participating residences, thereby further minimizing impacts. The wind turbine towers, nacelles, and rotors used will be uniform and will conform to the highest standards of industrial design to present a trim, uncluttered, aesthetically attractive appearance.

11. Light and glare

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

The project will create no additional light and glare during the day. The only exterior lighting on the turbines will be the aviation warning lighting required by the FAA. This lighting will be kept to the minimum required intensity to meet FAA standards. It is anticipated that the FAA will soon be issuing new standards for marking of wind turbines that will entail lighting fewer turbines in a large wind farm than are now required, as well as synchronizing all the lights. These

potential regulatory changes are being closely monitored and if, as is likely, they are made before project construction begins, the aviation safety marking lighting will be designed to meet these revised standards.

b. Could light or glare from the finished project be a safety hazard or interfere with views?
The aviation warning lighting required by the FAA will be visible for several miles. No safety hazards have been identified or associated with operational wind power projects.

c. What existing off-site sources of light or glare may affect your proposal?
None.

d. Proposed measures to reduce or control light and glare impacts, if any:
Project lighting will be limited to that required by the FAA. By reducing the number of turbines and increasing the distances from existing residences, impacts related to light and glare will be further minimized.

12. Recreation

a. What designated and informal recreational opportunities are in the immediate vicinity?
A detailed description of recreation is included in the FEIS, Section 3.6. This amendment request does not propose any additional impacts on this element of the environment, and does not require any additional analysis of this element of the environment.

b. Would the proposed project displace any existing recreational uses? If so, describe.
No.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:
Not applicable.

13. Historic and cultural preservation

a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.
No.

b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.
Additional pedestrian surveys were conducted in January of 2009 and did not identify any historic, archaeological, scientific, or culturally-significant sites. The cultural resource survey information is provided to EFSEC confidentially under separate cover to maintain confidentiality and protection of these resources.

b. Proposed measures to reduce or control impacts, if any:
All identified cultural sites will be avoided with 100-foot design and construction buffers. If any archaeological materials, including but not limited to human remains, are observed, excavation in that area will cease, and OAHP, EFSEC, the affected tribes and the Applicant will be notified. At that time, appropriate treatment and mitigation measures will be developed and implemented. Mitigation measures detailed in the FEIS for KVWPP will be followed. No additional mitigation measures are proposed at this time.

14. Transportation

a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

The project site will be accessed by public roads including State Highway 97, Bettas Road and Hayward Road.

b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

No.

c. How many parking spaces would the completed project have? How many would the project eliminate?

A detailed description of parking is included in the FEIS, Section 3.10. This amendment request does not propose any additional impacts on this element of the environment, and does not require any additional analysis of this element of the environment.

d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

Proposed improvements to the existing County Roads (Bettas Road and Hayward Road) have been approved by Kittitas County, which include reconstruction within the project area. Additional private roads will be constructed to access the turbine locations within the project boundary.

e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No.

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

There would be approximately 28 trips per day typically having peak hours being between 8A.M. and 4P.M. A full analysis of the transportation and traffic impacts of the project is available in section 3.10 of the FEIS.

g. Proposed measures to reduce or control transportation impacts, if any:

Pursuant to the FEIS and SCA, the Applicant will prepare a Traffic Management Plan with the construction contractor outlining steps for minimizing construction traffic impacts. The Applicant will provide notice to adjacent landowners when construction takes place to help minimize access disruptions. The Applicant will provide proper road signage and warnings of "Equipment on Road," "Truck Access," of "Road Crossings" along the highways. When slow or oversize wide loads are being hauled, appropriate vehicle and roadside signing and warning devices will be deployed per the Traffic Management Plan. Pilot cars will be used as the DOT dictates, depending on load size and weight. The Applicant will construct necessary site access roads and an entrance driveway that will be able to service truck movements of legal weight and provide adequate sight distance. The Applicant will encourage carpooling for the construction workforce to reduce traffic volume. In consultation with Kittitas County, the Applicant will provide detour plans and warning signs in advance of any traffic disturbances. The Applicant will employ flaggers as necessary to direct traffic when large

equipment is exiting or entering public roads to minimize risk of accidents. Where construction may occur near the roadway, one travel lane will be maintained at all times.

15. Public services

a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.

The proposed project will create a short-term potential need for emergency services in case of fire or injury during construction. This need is not expected to increase the need for public services during operation above and beyond what currently exists for the KVWPP.

b. Proposed measures to reduce or control direct impacts on public services, if any.

None required.

16. Utilities

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

No utilities are currently available in the area of expansion.

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

Power Service for the BPA substation will be provided by Kittitas Public Utility District.

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: Jay Patten

Date Submitted: 5/24/09